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Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 6944/BL	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/FR00/02410	International filing date (day/month/year) 31 August 2000 (31.08.00)	Priority date (day/month/year) 03 September 1999 (03.09.99)
International Patent Classification (IPC) or national classification and IPC H02K 5/12		
Applicant ELF EXPLORATION PRODUCTION		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 7 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

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Date of submission of the demand 09 March 2001 (09.03.01)	Date of completion of this report 27 November 2001 (27.11.2001)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FR00/02410

I. Basis of the report

1. This report has been drawn on the basis of (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.*):

- ☒ the international application as originally filed.
- ☐ the description, pages 1,4-7, as originally filed,
 pages _____, filed with the demand,
 pages _____, filed with the letter of _____,
 pages 2,2a,2b,3, filed with the letter of 29 October 2001 (29.10.2001).
- ☐ the claims, Nos. _____, as originally filed,
 Nos. _____, as amended under Article 19,
 Nos. _____, filed with the demand,
 Nos. _____, filed with the letter of _____,
 Nos. 1-8, filed with the letter of 29 October 2001 (29.10.2001).
- ☐ the drawings, sheets/fig 1/4-4/4, as originally filed,
 sheets/fig _____, filed with the demand,
 sheets/fig _____, filed with the letter of _____,
 sheets/fig _____, filed with the letter of _____.

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FR 00/02410

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1 - 8	YES
	Claims		NO
Inventive step (IS)	Claims	1 - 8	YES
	Claims		NO
Industrial applicability (IA)	Claims	1 - 8	YES
	Claims		NO

2. Citations and explanations

Claim 1:

Novelty and inventive step:

TDocument EP-A-0 604 762 is the closest prior art and describes an alternating-current electric motor that corresponds to the preamble of Claim 1.

The subject matter of Claim 1 differs from said document mainly in that the second portion of the stator circuit is provided outside the stator chamber, and in that said second portion of the stator circuit as well as the cylindrical rotor with the rotation axis thereof and the support bearings are arranged outside the stator chamber so that the stator magnetic circuit extends through the wall of said chamber and in the portion of the wall made of an insulating material, said material being a non-magnetic insulator.

Documents FR-A-916 681 and US-A-4 684 840 likewise do not describe an electric motor having the features disclosed in Claim 1.

In particular, the insulating plate (18) of document FR-A-916 681 (see figure) is integral with the transformer and

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FR 00/02410

does not represent a partition between the two portions of the motor stator circuit.

Similarly, the stator magnetic circuit of the motor does not extend through the portion (25) of document US-A-4 684 840 (see figure 6).

Accordingly, the subject matter of Claim 1 is not disclosed in the above prior art documents and meets the criteria of novelty and inventive step (Article 33(2) and (3) of the PCT).

Dependent Claims 2 to 8 relate to advantageous embodiments of the alternating-current electric motor of Claim 1.

Industrial applicability:

The industrial applicability of the electric motor claimed is obvious.